

d hist

(FILE 'HOME' ENTERED AT 13:37:30 ON 08 NOV 2005)

FILE 'CAPLUS' ENTERED AT 13:37:55 ON 08 NOV 2005
S 10116-20-8/REG#

L1 FILE 'REGISTRY' ENTERED AT 13:38:13 ON 08 NOV 2005
1 S 10116-20-8/RN

L2 FILE 'CAPLUS' ENTERED AT 13:38:16 ON 08 NOV 2005
18 S L1
L3 0 S L1 AND MIXTURE
L4 0 S L2 AND MIXTURE

FILE 'STNGUIDE' ENTERED AT 13:50:13 ON 08 NOV 2005

FILE 'CA' ENTERED AT 14:12:40 ON 08 NOV 2005
S 13676-91-0/REG#

L5 FILE 'REGISTRY' ENTERED AT 14:13:27 ON 08 NOV 2005
1 S 13676-91-0/RN

L6 FILE 'CA' ENTERED AT 14:13:28 ON 08 NOV 2005
65 S L5
L7 2 S L2 AND L6
S L2 AND 246871-16-9/REG#

L8 FILE 'REGISTRY' ENTERED AT 14:16:13 ON 08 NOV 2005
1 S 246871-16-9/RN

L9 FILE 'CA' ENTERED AT 14:16:14 ON 08 NOV 2005
3 S L8
L10 2 S L2 AND L9
S 61931-40-6/REG# AND L2

L11 FILE 'REGISTRY' ENTERED AT 14:18:25 ON 08 NOV 2005
1 S 61931-40-6/RN

L12 FILE 'CA' ENTERED AT 14:18:26 ON 08 NOV 2005
28 S L11
L13 7 S L12 AND L2
S L2 AND 64092-35-9/REG#

L14 FILE 'REGISTRY' ENTERED AT 14:24:04 ON 08 NOV 2005
1 S 64092-35-9/RN

L15 FILE 'CA' ENTERED AT 14:24:05 ON 08 NOV 2005
1 S L14
L16 1 S L2 AND L15
S L2 AND 67338-59-4/REG#

L17 FILE 'REGISTRY' ENTERED AT 14:25:05 ON 08 NOV 2005
1 S 67338-59-4/RN

L18 FILE 'CA' ENTERED AT 14:25:05 ON 08 NOV 2005
24 S L17
L19 3 S L2 AND L18

FILE 'MARPAT' ENTERED AT 14:25:52 ON 08 NOV 2005
SET NOTICE DISPLAY 1
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L20 0 S 444575-20-6
L21 0 S 44575-25-1

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L22 0 S 44575-25-1D
L23 0 S 44575-25-1
S 444575-20-6/REG#

FILE 'REGISTRY' ENTERED AT 14:31:45 ON 08 NOV 2005
L24 1 S 444575-20-6/RN

FILE 'CAPLUS' ENTERED AT 14:31:46 ON 08 NOV 2005
L25 1 S L24
S S 15791-78-3/REG#

FILE 'REGISTRY' ENTERED AT 14:34:31 ON 08 NOV 2005
L26 1 S 15791-78-3/RN

FILE 'CAPLUS' ENTERED AT 14:34:33 ON 08 NOV 2005
L27 65 S L26
S L2 AND 20241-76-3/REG#

FILE 'REGISTRY' ENTERED AT 14:35:50 ON 08 NOV 2005
L28 1 S 20241-76-3/RN

FILE 'CAPLUS' ENTERED AT 14:35:53 ON 08 NOV 2005
L29 63 S L28
L30 4 S L2 AND L29
S 20241-76-3/REG# AND 15791-78-3/REG#

FILE 'REGISTRY' ENTERED AT 14:38:37 ON 08 NOV 2005
L31 1 S 15791-78-3/RN

FILE 'CAPLUS' ENTERED AT 14:38:43 ON 08 NOV 2005
L32 65 S L31

FILE 'REGISTRY' ENTERED AT 14:38:44 ON 08 NOV 2005
L33 1 S 20241-76-3/RN

FILE 'CAPLUS' ENTERED AT 14:38:44 ON 08 NOV 2005
L34 63 S L33
L35 17 S L34 AND L32
S L35 AND 3065-87-0/REG#

FILE 'REGISTRY' ENTERED AT 14:39:27 ON 08 NOV 2005
L36 1 S 3065-87-0/RN

FILE 'CAPLUS' ENTERED AT 14:39:27 ON 08 NOV 2005
L37 41 S L36
L38 8 S L35 AND L37
S L38 AND 105043-55-8/REG#

FILE 'REGISTRY' ENTERED AT 14:42:25 ON 08 NOV 2005
L39 1 S 105043-55-8/RN

FILE 'CAPLUS' ENTERED AT 14:42:25 ON 08 NOV 2005
L40 6 S L39
L41 1 S L38 AND L40

=>

L2 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1962:443678 CAPLUS

DN 57:43678

OREF 57:8766c-f

ED Entered STN: 22 Apr 2001

TI Dyeing or printing aromatic polyester fibers

PA CIBA Ltd.

SO 4 pp.

DT Patent

LA Unavailable

CC 48 (Textiles)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 898912		19620614	GB	
	CH 367798			CH	
	DE 1221606			DE	
	US 3100132		1963	US	
PRAI	CH		19600127		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 3100132	NCL	008/677.000; 008/473.000; 008/532.000; 008/533.000; 008/549.000; 008/572.000; 008/582.000; 008/585.000; 008/594.000; 008/618.000; 008/922.000; 548/208.000

GI For diagram(s), see printed CA Issue.

AB Polyester fibers can be dyed by using as the dye 5-(acylamino)-1,9-isothiazole-anthrones (I), where R is Ph or 3-pyridyl. An aqueous dispersion of finely divided dye is prepared in the presence of a dispersing agent, such as a synthetic detergent and a swelling agent, and the dyeing process is carried out under superatm. pressure at 120°. Preferably, the fabric, after dyeing and drying, is heated at 140-210° to fix the dye. For example, clean polyester fibrous material 100 is immersed in a dye bath containing H₂O 3000, (NH₄)₂HPO₄ 9, and the Na salt of N-benzyl-μ-heptadeeylbenzimidazoledisulfonic acid 1.5 parts and treated for 15 min. at 50°. Then 9 parts of o-PhC₆H₄ONa is dissolved in H₂O and slowly added; the liberated o-PhC₆H₄OH is taken up by the textile by moving the latter in the bath for 15 min at 50-5°. The dye paste, prepared by grinding 1 part of an aqueous paste of I (R = Ph) with 1

part of dry sulfite-cellulose waste liquor to form a fine paste having a dye content of 10%, is then added. The bath is boiled for 1-1.5 hrs. The material when rinsed is yellow and has excellent fastness to sublimation and light.

IT Esters

(dyeing and printing of fibers from poly-, with 5-(acylamino)-1,9-isothiazoleanthrones, fast to light, sublimation and washing)

IT Fibers, synthetic

(from polyesters, dyeing and printing with 5-(acylamino)-1,9-isothiazoleanthrone dyes)

IT Dyeing

(of polyester fibers, with 5-(acylamino)-1,9-isothiazoleanthrones fast to light, sublimation and washing)

IT Textile printing

(on polyester fibers, with 5-(acylamino)-1,9-isothiazoleanthrone dyes)

IT 25038-59-9, Terephthalic acid, polyethylene ester

(dyeing and printing fibers from, with 5-(acylamino)-1,9-isothiazoleanthrone dyes)

IT 10116-20-8, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-benzamido-

98655-82-4, 6H-Anthra[9,1-cd]isothiazol-6-one, 7-nicotinamido-

(dyeing and printing of poly(ethylene terephthalate) and other polyesters with)

IT 98655-82-4, Nicotinamide, N-(6-oxo-6H-anthra[9,1-cd]isothiazol-7-yl)-

(dyeing and printing poly(ethylene terephthalate) and other polyesters)

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW; AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 EP 1354005 A1 20031022 EP 2002-710806 20020118
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004521973 T2 20040722 JP 2002-559506 20020118
 US 2004055097 A1 20040325 US 2003-470039 20030723
 PRAI EP 2001-810079 A 20010126
 WO 2002-EP513 W 20020118
 OS MARPAT 137:141844
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l2 and 246871-16-9

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L9 3 L8

L10 18 L1
 2 L2 AND L9

1 + 11

=> d 1-2

L10 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN
 AN 143:134831 CA
 TI Dye mixtures and dye compositions thereof for dyeing hydrophobic textile
 materials
 IN Griffin, Bruce Owen; Larkins, Jack Thurman; Atkins, Margo Roome
 PA USA
 SO U.S. Pat. Appl. Publ., 28 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155163	A1	20050721	US 2004-762023	20040121
	WO 2005071016	A2	20050804	WO 2005-EP50104	20050112
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				

MR, NE, SN, TD, TG
PRAI US 2004-762023 A 20040121

L10 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN
AN 137:141844 CA
TI Azo dyes and their mixtures, their production and their use on hydrophobic
fiber materials
IN Pichler, Yvonne; Lauk, Urs
PA Ciba Specialty Chemicals Holding Inc., Switz.
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002059216	A1	20020801	WO 2002-EP513	20020118
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1354005	A1	20031022	EP 2002-710806	20020118
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	JP 2004521973	T2	20040722	JP 2002-559506	20020118
	US 2004055097	A1	20040325	US 2003-470039	20030723
PRAI	EP 2001-810079	A	20010126		
	WO 2002-EP513	W	20020118		

OS MARPAT 137:141844

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

=> s 13676-91-0

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 65 L5

=> s 12 and 16

18 L1

L7 2 L2 AND L6

=> d 1-2

1 + 4

L7 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN

AN 143:134831 CA

TI Dye mixtures and dye compositions thereof for dyeing hydrophobic textile materials

IN Griffin, Bruce Owen; Larkins, Jack Thurman; Atkins, Margo Roome

PA USA

SO U.S. Pat. Appl. Publ., 28 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155163	A1	20050721	US 2004-762023	20040121
	WO 2005071016	A2	20050804	WO 2005-EP50104	20050112
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2004-762023	A	20040121		

L7 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

AN 137:141844 CA

TI Azo dyes and their mixtures, their production and their use on hydrophobic fiber materials

IN Pichler, Yvonne; Lauk, Urs

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002059216	A1	20020801	WO 2002-EP513	20020118
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

s 61931-40-6 and 12

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L12 28 L11

L13 18 L1
7 L12 AND L2

111 + 1

=> d 1-7

L13 ANSWER 1 OF 7 CA COPYRIGHT 2005 ACS on STN

AN 143:134831 CA

TI Dye mixtures and dye compositions thereof for dyeing hydrophobic textile materials

IN Griffin, Bruce Owen; Larkins, Jack Thurman; Atkins, Margo Roome

PA USA

SO U.S. Pat. Appl. Publ., 28 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155163	A1	20050721	US 2004-762023	20040121
	WO 2005071016	A2	20050804	WO 2005-EP50104	20050112
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PRAI	US 2004-762023	A	20040121		

L13 ANSWER 2 OF 7 CA COPYRIGHT 2005 ACS on STN

AN 137:201301 CA

TI Preparation of isothiazoloanthrones, isoxazoloanthrones, isoindolanthrones as JNK inhibitors

IN Sakata, Steven T.; Raymon, Heather K.

PA Signal Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 196 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066450	A2	20020829	WO 2002-US4283	20020213
	WO 2002066450	A3	20021205		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			

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 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003073732 A1 20030417 US 2002-71390 20020207
 CA 2438312 AA 20020829 CA 2002-2438312 20020213
 EP 1363891 A2 20031126 EP 2002-720975 20020213
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004526711 T2 20040902 JP 2002-565966 20020213
 PRAI US 2001-269013P P 20010215
 US 2002-71390 A 20020207
 WO 2002-US4283 W 20020213
 OS MARPAT 137:201301

L13 ANSWER 3 OF 7 CA COPYRIGHT 2005 ACS on STN

AN 117:235773 CA

TI Lightfast disperse dye compositions and dyeing hydrophobic fibers
 therewith

IN Izutsu, Kiyoto; Mikawa, Akiyoshi; Tsunoda, Mitsuaki

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04173872	A2	19920622	JP 1990-299837	19901107
	JP 2872387	B2	19990317		
PRAI	JP 1990-299837		19901107		
OS	MARPAT 117:235773				

L13 ANSWER 4 OF 7 CA COPYRIGHT 2005 ACS on STN

AN 117:214473 CA

TI Disperse dye compositions and dyeing hydrophobic fiber therewith

IN Izutsu, Kyoto; Mikawa, Akiyoshi; Tsunoda, Mitsuaki

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04173874	A2	19920622	JP 1990-299840	19901107
	JP 2872388	B2	19990317		
PRAI	JP 1990-299840		19901107		
OS	MARPAT 117:214473				

L13 ANSWER 5 OF 7 CA COPYRIGHT 2005 ACS on STN

AN 117:152729 CA

TI Yellow disperse dye compositions and method of dyeing hydrophobic fibers

IN Izutsu, Kiyoto; Mikawa, Akiyoshi

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 04122779	A2	19920423	JP 1990-242657	19900914
PRAI	JP 1990-242657		19900914		
OS	MARPAT 117:152729				

L13 ANSWER 6 OF 7 CA COPYRIGHT 2005 ACS on STN
 AN 90:188496 CA
 TI Applications of NMR spectroscopy and mass spectrometry to some problems concerning synthetic dyes: Part XVII. New isothiazolanthrone derivatives as dyes for synthetic fibers
 AU Ayyangar, N. R.; Lahoti, R. J.; Wagle, D. R.
 CS Natl. Chem. Lab., Poona, India
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1978), 16B(11), 1007-8
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English

L13 ANSWER 7 OF 7 CA COPYRIGHT 2005 ACS on STN
 AN 89:216803 CA
 TI Applications of NMR spectroscopy and mass spectrometry to some problems concerning synthetic dyes: Part XV. Anthraquinonoid disperse dyes
 AU Ayyangar, N. R.; Lahoti, R. J.; Parameswaran, V.; Wagle, D. R.
 CS Natl. Chem. Lab., Poona, India
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1978), 16B(7), 555-8
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English

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=> s l2 and 67338-59-4

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L18 24 L17

L19 18 L1
3 L2 AND L18
1 + ✓

=> d all 1-2

L19 ANSWER 1 OF 3 CA COPYRIGHT 2005 ACS on STN

AN 143:134831 CA

ED Entered STN: 11 Aug 2005

TI Dye mixtures and dye compositions thereof for dyeing hydrophobic textile materials

IN Griffin, Bruce Owen; Larkins, Jack Thurman; Atkins, Margo Roome

PA USA

SO U.S. Pat. Appl. Publ., 28 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM C09B001-00

INCL 008662000

CC 41-5 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers)

Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155163	A1	20050721	US 2004-762023	20040121
	WO 2005071016	A2	20050804	WO 2005-EP50104	20050112
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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PRAI US 2004-762023 A 20040121

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005155163	ICM	C09B001-00
	INCL	008662000
US 2005155163	NCL	008/662.000

AB The present invention discloses mixts. of dyes, dye compns. comprising them and the use of said mixts. and compns., optionally in combination with UV absorbers, to dye or print textile materials, particularly hydrophobic textile materials such as polyester, that must meet stringent lightfastness requirements. Fibers dyed with the inventive dye mixts.

exhibit exceptional high temperature light fastness and good all-round fastness properties.

ST dye mixt compn dyeing hydrophobic textile material UV absorber

IT Dyeing

Dyes

Textiles

UV stabilizers

(dye mixts. for dyeing hydrophobic textile materials)

IT 3065-87-0 15791-78-3 20241-76-3 63133-83-5 105043-55-8

RL: TEM (Technical or engineered material use); USES (Uses)

(blue dye; dye mixts. for dyeing hydrophobic textile materials)

IT 3896-11-5 154825-62-4 156137-33-6D, optional Me ether 177473-73-3D,
optional Me ether

RL: MOA (Modifier or additive use); USES (Uses)

(dye mixts. for dyeing hydrophobic textile materials)

IT 81-68-5 15220-29-8 16472-09-6 27312-17-0 27312-18-1 28173-59-3

40530-60-7 63833-78-3 64918-92-9 72363-26-9 137428-29-6

149988-44-3 173285-74-0 824414-36-0D, hydroxyethoxyethyl or
acetoxymethoxyethyl derivs.

RL: TEM (Technical or engineered material use); USES (Uses)

(dye mixts. for dyeing hydrophobic textile materials)

IT 444575-20-6 444575-21-7 444575-24-0 444575-25-1 705967-88-0

RL: TEM (Technical or engineered material use); USES (Uses)

(red dye; dye mixts. for dyeing hydrophobic textile materials)

IT 10116-20-8 13676-91-0 61931-40-6 64092-35-9

67338-59-4 246871-16-9

RL: TEM (Technical or engineered material use); USES (Uses)

(yellow dye; dye mixts. for dyeing hydrophobic textile materials)

L19 ANSWER 2 OF 3 CA COPYRIGHT 2005 ACS on STN

AN 124:319592 CA

ED Entered STN: 05 Jun 1996

TI Yellow dye compositions containing pyridones and isothiazoleanthrones and
dyeing of hydrophobic materials with the compositions

IN Katsuta, Osayuki; Yabushita, Shinichi; Hashizume, Shuhei

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C09B067-22

ICS D06P003-54

CC 40-6 (Textiles and Fibers)

FAN.CNT 1

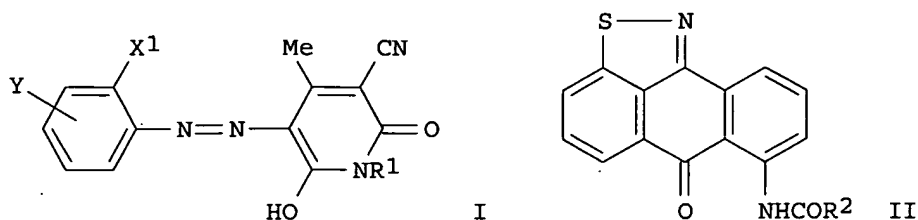
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08034933	A2	19960206	JP 1994-169759	19940721
PRAI	JP 1994-169759		19940721		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 08034933	ICM	C09B067-22
	ICS	D06P003-54
JP 08034933	ECLA	C09B067/00M5

OS MARPAT 124:319592

GI



AB The title compns. with good build up, leveling properties, reproducibility, and light fastness, contain pyridones I [X1 = H, halo, cyano, NO2; Y = H, halo, phenylsulfonyloxy, (C1-4 alkyl)aminosulfonyloxy, C1-4 alkoxy-C1-4 alkoxy-C1-4 alkoxy-carbonyl, C1-8 linear or branched alkylaminosulfonyl, C1-8 linear or branched alkylaminocarbonyl, NO2, (5- or 6-membered O-containing cycloalkyl-substituted)C1-4 alkoxy-carbonyl, phenoxy-C1-4-alkoxy-carbonyl; R1 = H, C1-8 linear or branched alkyl, (Ph-substituted)amino] and isothiazoleanthrones II [R2 = (un)substituted C1-4 alkyl, C1-4 alkoxy, Ph]. An aqueous dispersion of I (R1 = Et; X1 = Cl; Y = 4-nitro) 150, II (R2 = Ph) 150, Na naphthalenesulfonate-HCHO adduct 300, and ligninsulfonic acid 350 g was spray dried to give a yellow disperse dye composition

ST yellow disperse dye pyridone isothiazoleanthrone mixt; light fastness yellow dye isothiazoleanthrone pyridone; anthrone isothiazole pyridone yellow dye mixt

IT Polyester fibers, miscellaneous
RL: MSC (Miscellaneous)
(lightfast yellow dye compns. containing pyridones and isothiazoleanthrones for dyeing of)

IT Dyeing
(lightfast yellow dye compns. containing pyridones and isothiazoleanthrones for dyeing of hydrophobic materials)

IT Dyes
(disperse, lightfast yellow dye compns. containing pyridones and isothiazoleanthrones for use on hydrophobic materials)

IT 5124-25-4 10116-20-8 17309-84-1 30449-81-1 49744-25-4
49744-26-5 50988-01-7 50988-02-8 55290-62-5 59312-61-7
67338-59-4 68214-64-2 88009-97-6 88938-37-8 131801-29-1
175414-36-5 175414-38-7 175874-56-3 175874-57-4
RL: NUU (Other use, unclassified); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(in compns. for dyeing hydrophobic materials in lightfast yellow shades)

=> d 3

L19 ANSWER 3 OF 3 CA COPYRIGHT 2005 ACS on STN
AN 121:257837 CA
TI Lightfast coloring compositions and coloring hydrophobic fibers with the same
IN Katsuta, Osayuki; Yabushita, Shinichi; Hashizume, Shuhei
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06166828	A2	19940614	JP 1992-323033	19921202
	JP 3173193	B2	20010604		
PRAI	JP 1992-323033		19921202		

10A IX
=> s 20241-76-3 and 15791-78-3

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L32 65 L31

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L34 63 L33

L35 17 L34 AND L32

XB + YA + IX
=> l35 and 3065-87-0

L35 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l35 and 3065-87-0

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L37 41 L36

L38 8 L35 AND L37

=> d 1-8

L38 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:638367 CAPLUS

DN 143:134831

TI Dye mixtures and dye compositions thereof for dyeing hydrophobic textile materials

IN Griffin, Bruce Owen; Larkins, Jack Thurman; Atkins, Margo Roome

PA USA

SO U.S. Pat. Appl. Publ., 28 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005155163	A1	20050721	US 2004-762023	20040121
	WO 2005071016	A2	20050804	WO 2005-EP50104	20050112
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2004-762023	A	20040121		

L38 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:569133 CAPLUS

DN 127:163107

TI Dye compositions with high light fastness and dyeing method for hydrophobic material

IN Otake, Katsumasa; Yabushita, Shinichi; Katsuta, Osayuki

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09176509	A2	19970708	JP 1995-336894	19951225
PRAI	JP 1995-336894		19951225		
OS	MARPAT 127:163107				

L38 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1994:657837 CAPLUS

DN 121:257837

TI Lightfast coloring compositions and coloring hydrophobic fibers with the same

IN Katsuta, Osayuki; Yabushita, Shinichi; Hashizume, Shuhei

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06166828	A2	19940614	JP 1992-323033	19921202
	JP 3173193	B2	20010604		
PRAI	JP 1992-323033		19921202		
OS	MARPAT 121:257837				

L38 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1993:82765 CAPLUS

DN 118:82765

TI Disperse dye compositions and dyeing hydrophobic fibers therewith

IN Izutsu, Kiyoto; Mikawa, Akiyoshi; Tsunoda, Mitsuaki

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04164969	A2	19920610	JP 1990-290898	19901030
PRAI	JP 1990-290898		19901030		
OS	MARPAT 118:82765				

L38 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1993:23699 CAPLUS
DN 118:23699
TI Disperse dye compositions and dyeing hydrophobic fibers therewith
IN Izutsu, Kiyoto; Mikawa, Akiyoshi; Tsunoda, Mitsuku
PA Nippon Kayaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04173871	A2	19920622	JP 1990-299838	19901107
	JP 2849198	B2	19990120		
PRAI	JP 1990-299838		19901107		
OS	MARPAT 118:23699				

L38 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1992:635773 CAPLUS
DN 117:235773
TI Lightfast disperse dye compositions and dyeing hydrophobic fibers therewith
IN Izutsu, Kiyoto; Mikawa, Akiyoshi; Tsunoda, Mitsuaki
PA Nippon Kayaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04173872	A2	19920622	JP 1990-299837	19901107
	JP 2872387	B2	19990317		
PRAI	JP 1990-299837		19901107		
OS	MARPAT 117:235773				

L38 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1989:136950 CAPLUS
DN 110:136950
TI Substituent effects on the color, dyeing and fastness properties of 4-arylamino-5-nitro-(and amino)-1,8-dihydroxyanthraquinone and 4-arylamino-8-nitro-(and amino)-1,5-dihydroxyanthraquinone disperse dyes
AU Peters, A. T.; Chao, Y. C.
CS Postgrad. Sch. Chem. Chem. Technol., Univ. Bradford, Bradford, BD7 1DP, UK
SO Journal of the Society of Dyers and Colourists (1988), 104(11), 435-41
CODEN: JSDCAA; ISSN: 0037-9859
DT Journal
LA English

L38 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1959:91780 CAPLUS
DN 53:91780
OREF 53:16541e-g
TI Relation of dye structure to properties of disperse dyes. I. Anthraquinone

blues

AU Salvin, V. S.; Walker, R. A.
CS Celanese Corp. of Am., Charlotte, NC
SO Am. Dyestuff Reprtr. (1959), 48(No. 14), 35-43
DT Journal
LA Unavailable